

# Morbidity and Mortality

Weekly  
Report

## U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE

Prepared by the **COMMUNICABLE DISEASE CENTER** 634-5131

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ATLANTA 22, GEORGIA

Vol. 12, No. 17

### PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED APRIL 27, 1963

**HEPATITIS** - Reported hepatitis cases continue at a level of approximately 300 per week, essentially a constant level over the past several months. The proportionate number of adult cases by State is not remarkable except for California, where 68 percent (72 of 106 cases) this week are adults. Over the past eight weeks in California, adult cases have ranged from 55 to 65 percent of the total; over the past six weeks, this proportion has been steadily rising.

**INFLUENZA** - One or more outbreaks of influenza-like disease have now been reported from 43 States and the District of Columbia. The State of Washington was the

only one to report an outbreak for the first time this week. Outbreaks have subsided in most areas of the East and Middle West, with the exception of a recent localized outbreak in Minnesota. Of the Pacific Coast States, only Alaska has reported wide scale community outbreaks. Of particular interest has been the continuing laboratory evidence of the presence of A<sub>2</sub> influenza virus in many areas of California with the lack of evident community outbreaks in many of these areas. Most outbreaks in California have, so far, been confined to institutions. The total pneumonia-influenza deaths reported for 108 cities is again below the epidemic threshold this week, and all regions have now returned to essentially normal levels.

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
(Cumulative totals include revised and delayed reports through previous week)

Disease	17th Week			Cumulative		
	Ended	Ended	Median	First 17 weeks		
	April 27, 1963	April 28, 1962	1958 - 1962	1963	1962	Median 1958 - 1962
Aseptic meningitis.....	19	20	---	371	312	---
Brucellosis.....	5	7	10	111	117	217
Diphtheria.....	4	5	6	101	165	255
Encephalitis, infectious.....	46	28	35	453	499	443
Hepatitis, infectious and serum...	825	1,377	875	17,203	22,987	13,047
Measles.....	16,287	23,525	19,917	212,098	264,729	230,979
Meningococcal infections.....	58	42	43	1,002	858	945
Poliomyelitis, total.....	2	3	8	45	92	260
Paralytic.....	2	3	6	41	64	188
Nonparalytic.....	-	-	2	2	13	44
Unspecified.....	-	-	-	2	15	28
Streptococcal sore throat and Scarlet fever.....	7,927	6,750	---	162,390	145,731	---
Tetanus.....	2	3	---	55	46	---
Tularemia.....	3	6	---	64	86	---
Typhoid fever.....	3	9	9	117	131	168
Typhus fever, tick-borne, (Rocky Mountain spotted).....	1	-	---	3	5	---
Rabies in Animals.....	130	107	95	1,280	1,443	1,420

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

Anthrax:	Cum.	Psittacosis:	Cum.
Botulism:	1	Rabies in Man:	21
Malaria: Va. - 1, Ark. - 1	5	Smallpox:	-
Plague:	34	Typhus, murine:	-
	-		2

**Alaska** – Increased incidence of influenza-like illness has now been noted from all judicial districts of the State. During the week ending March 29, Nome reported 240 cases in a population of 1,500. For this same period, Glen Allen and Kotzebue reported increased incidence of respiratory disease. During the week ending April 5, Fairbanks experienced an outbreak with 275 cases, and over 250 cases were reported from the villages of Gambell and Savoonga on St. Lawrence Island. An outbreak began about April 12 at the Mt. Edgecumbe School near Sitka, with an estimated 100 cases occurring to date. Many small Eskimo villages in the western part of the State have also experienced explosive outbreaks. As yet, there has been no laboratory confirmations obtained from any of these outbreaks.

(Reported by Dr. E. O. Wicks, Director, Division of Public Health, Alaska Department of Health & Welfare).

**California** – An outbreak of influenza-like illness has been reported from a men's institution in San Luis Obispo County, with greatest incidence of illness during the week of April 22. An estimated 300 cases have occurred to date in a population of 1400 men. Illness has been characterized by sudden onset of chills, fever, cough and prostration of 3 days duration.

(Reported by Dr. Philip K. Condit, Chief, Bureau of Communicable Diseases, California State Department of Health).

**Minnesota** – A community outbreak of influenza-like illness has been reported from one town in Beltrami County with onset about April 10. Twenty-five percent absenteeism was noted in one school during the outbreak. Increased incidence of the disease has also been reported from the Red Lake Indian Reservation. Significant rises in A<sub>2</sub> antibody titer have been reported from 3 sporadic cases, one each in Steele, Scott and Mahnomon Counties.

(Reported by Dr. D. S. Fleming, Disease Prevention and Control, Minnesota State Department of Health).

**New Mexico** – Serologic evidence of influenza A<sub>2</sub> infection has now been obtained from cases in Bernalillo, Eddy, Colfax, Chaves and Sandoval Counties during April. However, surveillance has failed to indicate the presence of outbreaks in any of these areas.

(Reported by Dr. Gerald Parkes, Acting Director, Division of Preventive Medicine, New Mexico Department of Public Health).

**Utah** – An outbreak of influenza-like illness has now been observed in Tooele County, with approximately 200 cases reported for the week ending April 27. Significant influenza A<sub>2</sub> titer rises were demonstrated during this week in 3 pairs of serums, one from San Juan County and two from Salt Lake County.

(Reported by Dr. A. A. Jenkins, Director, Communicable and Chronic Disease Section, Utah State Department of Health).

**Washington** – A localized outbreak of influenza-like illness has been observed in a kindergarten class in King County. The peak of the outbreak occurred about March 12 and involved 50% of the class with acute symptoms of fever, chills, cough, and weakness of 2-4 days duration. Influenza A<sub>2</sub> virus has been isolated from the teacher, who was ill during the outbreak. Although serologic evidence of the presence of influenza A<sub>2</sub> virus has recently been obtained from a number of areas in the State, most counties report no more than the usual incidence of acute respiratory disease.

(Reported by Dr. E. A. Ager, Head, Communicable Disease Control, Washington State Department of Health).

## EPIDEMIOLOGICAL REPORTS

### Sporotrichosis – Connecticut

Recently, *Sporotrichum schenckii* was isolated from a specimen of salt hay submitted by a country club in Fairfield County, Connecticut. Investigation revealed that the salt hay was used as a winter covering for asphalt tennis courts at the country club. Interestingly, 8 or 9 human cases of sporotrichosis have occurred in the town during the past 4 to 5 years, the period during which the salt hay had been used. All cases appeared to be associated with use of the courts. The salt hay had been imported from Long Island but its exact source could not be determined.

(Reported by Dr. James C. Hart, Director, Division of Preventable Diseases, Connecticut Department of Health and Dr. Eleanor Haley, Director, Nancy Sayles Day Mycology Laboratory, Grace-New Haven Community Hospital).

*Ed. Note:* This report is particularly interesting in light of the report of Singer, *et al.*\* of 8 cases of sporotrichosis occurring within a 30 square mile area on the south shore of Suffolk County, Long Island. Six of the eight had a clear history of contact with salt hay used to mulch flower bulbs during late fall and winter months. An additional six cases of sporotrichosis from this same area on Long Island was reported by Graham\*\* in 1946; all of the cases similarly had contact with salt meadow hay used in mulching tulip bulbs.

The suspect hay, known botanically as *Spantina pteus* (official name: marsh hay cord grass), is a perennial marsh plant found in saline marshes of the seacoast. Its principal use is as an insulating ground cover or mulch for flower bulbs.

\*Singer, J. I. and Munire, J. E.: New York State J. Med. 52:2147, 1952.

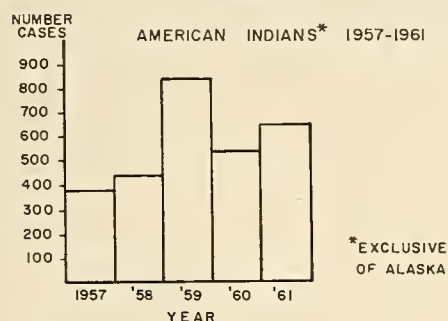
\*\*Graham, J. C.: Arch Dermat. and Syph. 54:726, 1946.

### Hepatitis Among American Indians

During the years 1957 through 1961, hepatitis among American Indians, exclusive of Alaska, differed in several respects from the experience of the general U. S. population.

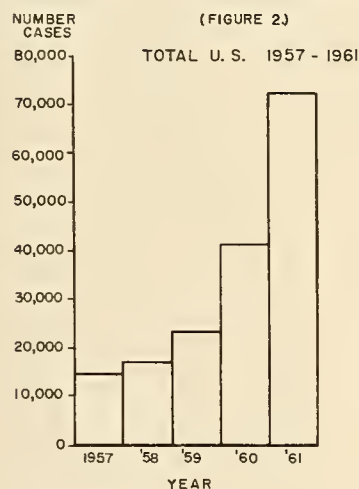
While reported cases have shown a general upward trend for the United States as a whole, there was less fluctuation in the incidence of hepatitis among the Indian population (Figures 1 and 2). It will be noted that 1959 was a peak year for hepatitis among Indians, while for the country as a whole 1961 represented the peak year.

(FIGURE 1.)



## REPORTED CASES OF VIRAL HEPATITIS

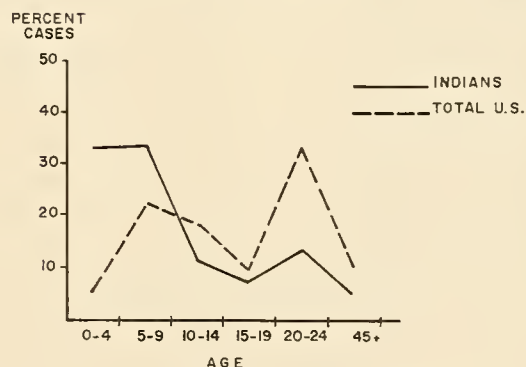
(FIGURE 2.)



The seasonal distribution of hepatitis cases among Indians over this period has, in general, been similar to that of the entire country except that seasonal fluctuations have been wider. Since this is also a characteristic of States in the Mountain Region, where most of the Indian population lives, the observed marked seasonal variations may not be peculiar to the Indians alone.

The age distribution of cases among Indians differed somewhat from the age distribution of total U. S. cases. A comparison of the 1959 figures (Figure 3) reveals a high proportion of hepatitis among Indians in the age group under 5 years. While the proportion of the Indian population under 5 years (18.8 percent) is higher than those under 5 for the United States as a whole (11.4 percent), the difference in percent distribution of the cases is too great to be accounted for on this basis alone.

FIGURE 3.

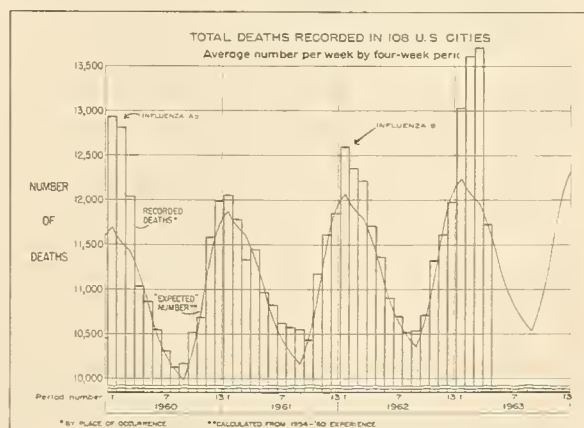
PER CENT DISTRIBUTION OF REPORTED VIRAL HEPATITIS CASES BY AGE - 1959  
AMERICAN INDIANS AND TOTAL U.S. COMPARED

## TOTAL DEATHS IN 108 U. S. CITIES

During the four-week period ending April 27, the average weekly number of deaths declined to the expected level for the first time since the four-week period ending January 5. The observed average weekly number of total deaths was 11,722 as compared with an expected 11,716.

## TOTAL DEATHS RECORDED IN 108 UNITED STATES CITIES

	WEEK ENDING				4 Week Total	Weekly Average
	4-6	4-13	4-20	4-27		
Observed	12,139	11,203	11,838	11,708	46,888	11,722
Expected	11,832	11,759	11,679	11,594	46,864	11,716
Excess	307	-556	159	114	24	6



## Morbidity and Mortality Weekly Report

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES. UNITED STATES  
FOR WEEKS ENDED

APRIL 27, 1963 AND APRIL 28, 1962

Area	Poliomyelitis, total cases				Poliomyelitis, paralytic				Poliomyelitis, nonparalytic		Aseptic Meningitis	
	17th week		Cumulative First 17 weeks		17th week		Cumulative First 17 weeks		17th week		17th week	
	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962
UNITED STATES.....	2	3	45	92	2	3	41	64	-	-	19	20
NEW ENGLAND.....	-	-	-	1	-	-	-	1	-	-	1	-
Maine.....	-	-	-	-	-	-	-	-	-	-	-	-
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	-	-	-	-	-	-	-	-	-	-	-	-
Rhode Island.....	-	-	-	-	-	-	-	-	-	-	1	-
Connecticut.....	-	-	-	1	-	-	-	1	-	-	-	-
MIDDLE ATLANTIC.....	-	-	6	30	-	-	6	17	-	-	1	1
New York.....	-	-	4	30	-	-	4	17	-	-	1	-
New Jersey.....	-	-	1	-	-	-	1	-	-	-	-	-
Pennsylvania.....	-	-	1	-	-	-	1	-	-	-	-	1
EAST NORTH CENTRAL.....	-	-	11	9	-	-	10	6	-	-	2	3
Ohio.....	-	-	4	4	-	-	3	4	-	-	-	1
Indiana.....	-	-	-	3	-	-	-	2	-	-	-	-
Illinois.....	-	-	5	2	-	-	5	-	-	-	-	1
Michigan.....	-	-	2	-	-	-	2	-	-	-	2	1
Wisconsin.....	-	-	-	-	-	-	-	-	-	-	-	-
WEST NORTH CENTRAL.....	-	1	1	7	-	1	1	4	-	-	1	-
Minnesota.....	-	-	-	1	-	-	-	1	-	-	1	-
Iowa.....	-	-	-	3	-	-	-	2	-	-	-	-
Missouri.....	-	1	1	3	-	1	1	1	-	-	-	-
North Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-	-	-	-	-	-	-
Kansas.....	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	1	1	5	8	1	1	4	6	-	-	2	1
Delaware.....	-	-	-	-	-	-	-	-	-	-	1	-
Maryland.....	-	-	-	-	-	-	-	-	-	-	-	-
District of Columbia..	-	-	-	1	-	-	-	-	-	-	-	-
Virginia.....	-	1	-	2	-	1	-	2	-	-	1	1
West Virginia.....	-	-	-	-	-	-	-	-	-	-	-	-
North Carolina.....	-	-	2	1	-	-	2	1	-	-	-	-
South Carolina.....	-	-	-	-	-	-	-	-	-	-	-	-
Georgia.....	-	-	1	1	-	-	-	1	-	-	-	-
Florida.....	1	-	2	3	1	-	2	2	-	-	-	-
EAST SOUTH CENTRAL.....	-	-	3	3	-	-	2	2	-	-	1	4
Kentucky.....	-	-	-	1	-	-	-	1	-	-	1	3
Tennessee.....	-	-	1	1	-	-	1	-	-	-	-	-
Alabama.....	-	-	2	1	-	-	1	1	-	-	-	-
Mississippi.....	-	-	-	-	-	-	-	-	-	-	-	1
WEST SOUTH CENTRAL.....	1	-	11	22	1	-	11	19	-	-	1	-
Arkansas.....	-	-	-	1	-	-	-	1	-	-	-	-
Louisiana.....	-	-	9	5	-	-	9	5	-	-	-	-
Oklahoma.....	-	-	-	-	-	-	-	-	-	-	1	-
Texas.....	1	-	2	16	1	-	2	13	-	-	-	-
MOUNTAIN.....	-	-	-	5	-	-	-	4	-	-	-	3
Montana.....	-	-	-	2	-	-	-	1	-	-	-	-
Idaho.....	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming.....	-	-	-	-	-	-	-	-	-	-	-	-
Colorado.....	-	-	-	-	-	-	-	-	-	-	-	2
New Mexico.....	-	-	-	-	-	-	-	-	-	-	-	1
Arizona.....	-	-	-	2	-	-	-	2	-	-	-	-
Utah.....	-	-	-	1	-	-	-	1	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	-	1	8	7	-	1	7	5	-	-	10	8
Washington.....	-	-	-	-	-	-	-	-	-	-	1	3
Oregon.....	-	-	1	-	-	-	1	-	-	-	-	-
California.....	-	1	7	7	-	1	6	5	-	-	9	5
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico.....	-	-	2	5	-	-	2	5	-	-	-	-



Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
APRIL 27, 1963 AND APRIL 28, 1962 - (Continued)

Area	Brucellosis		Diphtheria		Encephalitis, infectious		Hepatitis, infectious and serum				Measles	
	17th week	Cumulative 17 weeks	17th week	Cumulative 17 weeks	17th week		17th week			17th week		
							Under 20 yr.	20 & over	Total			
					1963	1963	1963	1963	1962	1963	1963	1963
UNITED STATES.....	5	111	4	101	46	28	435	336	825	1,377	16,287	23,525
NEW ENGLAND.....	-	-	1	4	-	1	44	34	80	60	555	2,800
Maine.....	-	-	-	-	-	-	28	16	44	19	14	476
New Hampshire.....	-	-	-	-	-	-	3	1	5	3	-	5
Vermont.....	-	-	-	-	-	-	-	1	1	-	101	137
Massachusetts.....	-	-	-	2	-	-	6	12	18	26	167	1,063
Rhode Island.....	-	-	1	2	-	1	-	-	-	4	31	161
Connecticut.....	-	-	-	-	-	-	7	4	12	8	242	958
MIDDLE ATLANTIC.....	-	4	-	16	8	4	86	74	160	193	1,812	6,186
New York.....	-	3	-	11	5	2	40	43	83	97	763	2,946
New Jersey.....	-	-	-	1	-	-	12	16	28	30	484	2,893
Pennsylvania.....	-	1	-	4	3	2	34	15	49	66	565	347
EAST NORTH CENTRAL.....	-	7	1	9	2	4	69	42	116	330	6,991	3,187
Ohio.....	-	-	-	-	-	1	28	13	42	64	819	871
Indiana.....	-	-	-	3	-	-	11	2	15	73	349	513
Illinois.....	-	7	-	3	-	2	7	9	18	111	319	685
Michigan.....	-	-	1	2	2	1	21	18	39	78	1,884	888
Wisconsin.....	-	-	-	1	-	-	2	-	2	4	3,620	230
WEST NORTH CENTRAL.....	3	84	1	29	3	3	18	15	39	73	418	828
Minnesota.....	-	6	-	15	-	2	3	5	9	21	208	53
Iowa.....	1	61	-	1	-	-	2	2	5	8	50	391
Missouri.....	-	4	-	1	3	-	5	5	10	6	32	188
North Dakota.....	-	-	1	1	-	1	-	1	1	12	123	183
South Dakota.....	-	3	-	7	-	-	-	-	4	1	-	13
Nebraska.....	-	4	-	4	-	-	-	-	-	5	5	-
Kansas.....	2	6	-	-	-	-	8	2	10	20	NN	NN
SOUTH ATLANTIC.....	-	1	-	19	6	7	62	31	95	138	1,417	1,203
Delaware.....	-	-	-	-	1	-	1	-	1	2	66	18
Maryland.....	-	-	-	-	1	3	6	10	16	7	74	206
District of Columbia..	-	-	-	-	-	-	-	-	-	-	3	19
Virginia.....	-	-	-	-	1	-	13	4	18	22	342	297
West Virginia.....	-	-	-	1	1	-	13	3	17	21	657	393
North Carolina.....	-	-	-	1	1	1	14	8	22	46	76	29
South Carolina.....	-	-	-	3	-	2	1	-	1	9	86	65
Georgia.....	-	-	-	6	-	-	3	2	5	14	23	26
Florida.....	-	1	-	8	1	1	11	4	15	17	90	150
EAST SOUTH CENTRAL.....	-	2	1	9	1	1	54	19	83	170	962	1,769
Kentucky.....	-	-	-	-	-	-	12	4	24	86	491	394
Tennessee.....	-	1	1	2	1	-	26	9	37	49	324	1,216
Alabama.....	-	1	-	7	-	-	6	-	6	18	66	111
Mississippi.....	-	-	-	-	-	1	10	6	16	17	81	48
WEST SOUTH CENTRAL.....	1	8	-	13	1	3	30	29	60	111	1,090	4,072
Arkansas.....	-	2	-	1	-	1	6	5	11	10	26	5
Louisiana.....	-	-	-	2	-	-	3	1	5	33	8	5
Oklahoma.....	-	2	-	5	-	-	2	-	2	2	20	146
Texas.....	1	4	-	5	1	2	19	23	42	66	1,036	3,916
MOUNTAIN.....	1	2	-	1	-	-	13	6	44	75	1,167	1,108
Montana.....	-	-	-	-	-	-	4	4	8	10	104	276
Idaho.....	-	-	-	-	-	-	-	-	11	8	218	28
Wyoming.....	-	-	-	-	-	-	-	1	1	2	16	-
Colorado.....	-	-	-	-	-	-	-	-	7	13	347	353
New Mexico.....	-	-	-	1	-	-	6	1	7	10	NN	NN
Arizona.....	1	1	-	-	-	-	-	-	6	26	374	323
Utah.....	-	1	-	-	-	-	3	-	3	6	107	128
Nevada.....	-	-	-	-	-	-	-	-	1	-	1	-
PACIFIC.....	-	3	-	1	25	5	59	86	148	227	1,875	2,372
Washington.....	-	-	-	-	1	1	10	5	18	61	206	693
Oregon.....	-	-	-	-	-	-	14	7	21	29	223	577
California.....	-	3	-	1	24	4	34	72	106	106	1,230	1,015
Alaska.....	-	-	-	-	-	-	1	2	3	31	11	13
Hawaii.....	-	-	-	-	-	-	-	-	-	-	205	74
Puerto Rico.....	-	-	-	8	2	-	8	8	16	38	16	123

## Morbidity and Mortality Weekly Report

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED

APRIL 27, 1963 AND APRIL 28, 1962 - (Continued)

Area	Meningococcal Infections		Streptococcal Sore Throat & Scarlet Fever		Tetanus	Tickborne Typhus (Rocky Mt. Spotted)	Tularemia	Typhoid Fever		Rabies in Animals		
	17th wk.	Cumulative 17 weeks	17th week		17th wk.	17th wk.	17th wk.	17thwk.	Cumulative 17 weeks	17th week		Cumulative 17 weeks
	1963	1963	1963	1962	1963	1963	1963	1963	1963	1963	1962	1963
UNITED STATES....	58	1,002	7,927	6,750	2	1	3	3	117	130	107	1,280
NEW ENGLAND.....	2	69	829	471	-	-	-	-	5	2	-	10
Maine.....	-	10	103	10	-	-	-	-	-	-	-	1
New Hampshire.....	-	2	9	2	-	-	-	-	-	-	-	5
Vermont.....	-	2	45	4	-	-	-	-	1	2	-	4
Massachusetts.....	2	33	122	88	-	-	-	-	3	-	-	-
Rhode Island.....	-	6	64	31	-	-	-	-	-	-	-	-
Connecticut.....	-	16	486	336	-	-	-	-	1	-	-	-
MIDDLE ATLANTIC....	13	133	507	571	-	-	-	2	16	3	2	37
New York.....	9	63	295	276	-	-	-	2	12	3	1	27
New Jersey.....	-	21	92	103	-	-	-	-	1	-	-	-
Pennsylvania.....	4	49	120	192	-	-	-	-	3	-	1	10
EAST NORTH CENTRAL..	10	160	759	867	-	-	-	-	7	41	26	188
Ohio.....	-	45	118	64	-	-	-	-	2	34	18	104
Indiana.....	3	21	97	119	-	-	-	-	1	3	7	22
Illinois.....	-	20	103	226	-	-	-	-	2	-	-	27
Michigan.....	5	53	259	257	-	-	-	-	1	2	-	22
Wisconsin.....	2	21	182	201	-	-	-	-	1	2	1	13
WEST NORTH CENTRAL..	3	61	332	293	1	-	-	-	5	23	26	282
Minnesota.....	1	11	35	28	-	-	-	-	1	6	7	78
Iowa.....	1	3	89	66	-	-	-	-	1	10	11	100
Missouri.....	-	25	-	11	1	-	-	-	3	4	3	52
North Dakota.....	-	1	153	128	-	-	-	-	-	-	-	7
South Dakota.....	1	4	10	2	-	-	-	-	-	2	3	38
Nebraska.....	-	14	1	-	-	-	-	-	-	-	2	3
Kansas.....	-	3	44	58	-	-	-	-	-	1	-	4
SOUTH ATLANTIC.....	7	195	615	433	-	1	1	1	23	12	6	222
Delaware.....	-	1	4	6	-	-	-	1	1	-	-	-
Maryland.....	2	29	56	25	-	-	-	-	3	-	-	-
Dist. of Columbia..	-	3	1	5	-	-	-	-	-	-	-	-
Virginia.....	2	51	176	95	-	1	-	-	3	7	3	84
West Virginia.....	-	10	231	77	-	-	-	-	5	-	1	75
North Carolina.....	2	32	26	25	-	-	-	-	3	-	-	4
South Carolina.....	-	12	42	131	-	-	-	-	-	-	-	5
Georgia.....	-	11	4	21	-	-	1	-	2	1	2	17
Florida.....	1	46	75	48	-	-	-	-	6	4	-	37
EAST SOUTH CENTRAL..	3	91	1,201	1,214	-	-	-	-	11	7	11	115
Kentucky.....	-	29	136	118	-	-	-	-	2	6	5	54
Tennessee.....	1	35	936	1,032	-	-	-	-	7	1	6	50
Alabama.....	1	13	37	5	-	-	-	-	2	-	-	11
Mississippi.....	1	14	92	59	-	-	-	-	-	-	-	-
WEST SOUTH CENTRAL..	2	107	792	752	-	-	2	-	20	31	17	265
Arkansas.....	-	5	-	1	-	-	1	-	8	1	1	19
Louisiana.....	-	46	5	7	-	-	1	-	5	1	1	27
Oklahoma.....	2	21	29	50	-	-	-	-	2	6	1	23
Texas.....	-	35	758	694	-	-	-	-	5	23	14	196
MOUNTAIN.....	1	33	1,708	1,206	-	-	-	-	2	-	3	23
Montana.....	1	2	59	70	-	-	-	-	-	-	-	-
Idaho.....	-	1	209	103	-	-	-	-	-	-	-	-
Wyoming.....	-	1	53	17	-	-	-	-	-	-	-	-
Colorado.....	-	7	758	428	-	-	-	-	1	-	-	-
New Mexico.....	-	2	266	325	-	-	-	-	1	-	2	12
Arizona.....	-	6	131	190	-	-	-	-	-	-	1	11
Utah.....	-	11	231	73	-	-	-	-	-	-	-	-
Nevada.....	-	3	1	-	-	-	-	-	-	-	-	-
PACIFIC.....	17	153	1,184	943	1	-	-	-	28	11	16	138
Washington.....	-	12	508	260	-	-	-	-	-	-	-	-
Oregon.....	1	7	26	33	-	-	-	-	2	-	1	1
California.....	14	126	578	595	1	-	-	-	24	8	15	128
Alaska.....	-	4	32	21	-	-	-	-	-	3	-	9
Hawaii.....	2	4	40	34	-	-	-	-	2	-	-	-
Puerto Rico.....	-	4	28	6	2	-	-	-	3	1	-	5

Table 4 (A). TOTAL DEATHS IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)<sup>o</sup>

Area	For weeks ending				Area	For weeks ending			
	4/6	4/13	4/20	4/27		4/6	4/13	4/20	4/27
<b>NEW ENGLAND:</b>					<b>SOUTH ATLANTIC:</b>				
Boston, Mass. ....	279	249	260	221	Atlanta, Ga. ....	121	108	133	89
Bridgeport, Conn. ....	59	35	43	33	Baltimore, Md. ....	226	245	253	274
Cambridge, Mass. ....	49	27	30	32	Charlotte, N.C. ....	55	19	43	44
Fall River, Mass. ....	34	28	28	35	Jacksonville, Fla. ....	71	49	74	62
Hartford, Conn. ....	44	50	50	58	Miami, Fla. ....	90	90	65	89
Lowell, Mass. ....	35	22	24	33	Norfolk, Va. ....	41	52	52	41
Lynn, Mass. ....	32	22	26	32	Richmond, Va. ....	85	78	91	86
New Bedford, Mass. ....	24	23	28	36	Savannah, Ga. ....	34	36	33	31
New Haven, Conn. ....	50	55	40	47	St. Petersburg, Fla. ....	87	96	99	81
Providence, R.I. ....	57	51	69	65	Tampa, Fla. ....	74	80	79	70
Somerville, Mass. ....	22	12	11	19	Washington, D.C. ....	213	221	183	194
Springfield, Mass. ....	40	54	32	47	Wilmington, Del. ....	51	32	39	29
Waterbury, Conn. ....	36	32	39	32					
Worcester, Mass. ....	48	60	52	61	<b>EAST SOUTH CENTRAL:</b>				
<b>MIDDLE ATLANTIC:</b>					Birmingham, Ala. ....	76	77	83	84
Albany, N.Y. ....	53	45	48	44	Chattanooga, Tenn. ....	79	41	65	55
Allentown, Pa. ....	30	38	45	36	Knoxville, Tenn. ....	45	54	52	36
Buffalo, N.Y. ....	143	125	125	170	Louisville, Ky. ....	128	139	67	81
Camden, N.J. ....	35	31	35	42	Memphis, Tenn. ....	170	132	123	137
Elizabeth, N.J. ....	30	19	29	30	Mobile, Ala. ....	33	38	48	45
Erie, Pa. ....	47	35	51	42*	Montgomery, Ala. ....	39	42	43	26
Jersey City, N.J. ....	83	67	69	69	Nashville, Tenn. ....	84	92	88	65
Newark, N.J. ....	119	94	115	108	<b>WEST SOUTH CENTRAL:</b>				
New York City, N.Y. ....	1,563	1,665	1,689	1,725	Austin, Tex. ....	64	41	39	37
Paterson, N.J. ....	40	35	47	35	Baton Rouge, La. ....	34	21	39	39
Philadelphia, Pa. ....	547	385	524	589	Corpus Christi, Tex. ....	20	37	36	27
Pittsburgh, Pa. ....	243	99	179	190	Dallas, Tex. ....	149	152	134	159
Reading, Pa. ....	57	63	38	45	El Paso, Tex. ....	39	23	37	38
Rochester, N.Y. ....	113	100	127	98	Fort Worth, Tex. ....	89	57	58	60
Schenectady, N.Y. ....	26	26	35	23	Houston, Tex. ....	175	182	179	153
Scranton, Pa. ....	38	44	46	54	Little Rock, Ark. ....	55	64	73	63
Syracuse, N.Y. ....	56	71	64	67	New Orleans, La. ....	172	148	190	157
Trenton, N.J. ....	33	49	65	45	Oklahoma City, Okla. ....	72	93	85	72
Utica, N.Y. ....	19	39	24	19	San Antonio, Tex. ....	122	108	88	115
Yonkers, N.Y. ....	43	29	28	32	Shreveport, La. ....	59	39	57	73
<b>EAST NORTH CENTRAL:</b>					Tulsa, Okla. ....	56	66	49	57
Akron, Ohio. ....	55	63	66	67	<b>MOUNTAIN:</b>				
Canton, Ohio. ....	30	36	34	35	Albuquerque, N. Mex. ....	44	30	40	37
Chicago, Ill. ....	795	621	880	691	Colorado Springs, Colo. ....	18	25	24	23
Cincinnati, Ohio. ....	159	166	155	139	Denver, Colo. ....	120	124	137	102
Cleveland, Ohio. ....	212	192	223	212	Ogden, Utah. ....	16	12	23	24
Columbus, Ohio. ....	128	123	128	122	Phoenix, Ariz. ....	143	91	98	112
Dayton, Ohio. ....	73	82	70	72	Pueblo, Colo. ....	11	11	10	17
Detroit, Mich. ....	399	310	265	338	Salt Lake City, Utah. ....	65	66	59	52
Evansville, Ind. ....	33	36	37	37	Tucson, Ariz. ....	65	57	49	58
Flint, Mich. ....	35	48	67	42	<b>PACIFIC:</b>				
Fort Wayne, Ind. ....	40	60	66	50	Berkeley, Calif. ....	21	16	20	15
Gary, Ind. ....	39	22	29	31	Fresno, Calif. ....	49	50	49	46
Grand Rapids, Mich. ....	56	50	46	59	Glendale, Calif. ....	41	47	30	50
Indianapolis, Ind. ....	142	157	138	148	Honolulu, Hawaii. ....	50	33	56	39
Madison, Wis. ....	39	54	31	37	Long Beach, Calif. ....	56	52	64	54
Milwaukee, Wis. ....	138	109	137	112	Los Angeles, Calif. ....	570	600	543	568
Peoria, Ill. ....	32	25	27	35	Oakland, Calif. ....	93	92	70	115
Rockford, Ill. ....	27	26	36	27	Pasadena, Calif. ....	26	32	28	33
South Bend, Ind. ....	57	30	63	41	Portland, Oreg. ....	115	142	96	135
Toledo, Ohio. ....	102	111	95	101	Sacramento, Calif. ....	64	74	68	71
Youngstown, Ohio. ....	78	57	69	53	San Diego, Calif. ....	91	104	107	89
<b>WEST NORTH CENTRAL:</b>					San Francisco, Calif. ....	213	201	179	211
Des Moines, Iowa. ....	81	72	58	69	San Jose, Calif. ....	26	39	37	46
Duluth, Minn. ....	28	23	33	36	Seattle, Wash. ....	139	151	151	135
Kansas City, Kans. ....	38	35	44	41	Spokane, Wash. ....	46	53	49	67
Kansas City, Mo. ....	118	112	145	112	Tacoma, Wash. ....	50	36	44	48
Lincoln, Nebr. ....	21	43	19	35					
Minneapolis, Minn. ....	146	109	131	131	San Juan, P.R. ....	25	33	23	22
Omaha, Nebr. ....	68	79	77	60					
St. Louis, Mo. ....	282	221	231	225					
St. Paul, Minn. ....	64	58	91	85					
Wichita, Kans. ....	66	44	46	55					

<sup>o</sup>Current Week Mortality for 108 Selected Cities

4(A) Total Mortality, all ages. ....	11,708
4(B) Pneumonia-Influenza Deaths, all ages. ....	480
4(C) Total Deaths under 1 Year of Age. ....	659
4(D) Total Deaths, Persons 65 years and over. ....	6,688

\*Estimate - based on average percent of divisional total.  
 Totals for previous weeks include reported corrections.

NOTE: All deaths by place of occurrence.



# Food-Borne Disease Outbreaks of Unknown Etiology - 1961 - Summary (Continued)

Summarized below are 36 of a total of 95 apparent food-borne disease outbreaks of unknown etiology which occurred during the period January 1 to December 31, 1961. Previous issues of the MMWR (Vol. 10, No. 12, and Vol. 10, No. 28) summarized the first 25 of these. A subsequent issue of the MMWR will complete the summarization of the food-borne disease outbreaks for 1961.

## INTERNATIONAL NOTES - QUARANTINE MEASURES Suspect Smallpox - Great Britain

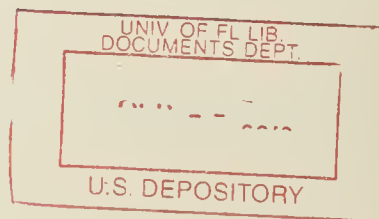
The suspect case of smallpox reported in MMWR, Vol. 12, No. 16, in a 2-month-old girl who arrived in London on April 22, 1963, from Karachi, has been officially reported as not being smallpox.

## Immunization Information for International Travel 1962 edition

### Public Health Service Publication No. 384

The following information should be added to the list of Yellow Fever Vaccination Centers in Section 6:

CITY: Morgantown, West Virginia  
CENTER: West Virginia University Health Service  
Tel. 549-3411, Ext. 294  
CLINIC HOURS: By appointment only  
FEE: Yes



FOOD-BORNE DUTBREKS OF UNKNOWN ETIDLOGY 1961 - SUMMARY CONTINUED

OUTBREAK NUMBER	DATE EATEN	STATE	NUMBER EATING	NO. MEAL	SUSPECTED VEHICLE	PLACE PREPARED	INCUBATION RANGE	REPORTED BY
26	2/25/61	Calif	390	Unknown	Beans	Commercial Restaurant	4-11 2 hours	W B Phillips
27	3/15/61	Calif	5	Unknown	Chucoline Cream Cato	Commercial Bakery	10-18 hours	P K Condit
28	3/30/61	Illinois	6	Unknown	Cerfish	Home	3+ hours	M A Dobbs, W. J. Rease
29	4/12/61	Calif	Unk	Unknown	Baked Ham	Restaurant	2-1 2 - 3-1 2 hrs	B L Zinneman, M E Johnie
30	5/3/61	Calif	4	Unknown	Chili Dog	Restaurant	2-5 hours	F A Listick, R Woe
31	5/4/61	La	Unk	Unknown	Unknown	School Kitchen	3-45 hours	C T Caroway, R Whalen
32	5/19/61	Calif	75	Unknown	Unknown	School Kitchen	3-18 1 2 hours	W B Phillips
33	5/19/61	Calif	5	Unknown	Baked Ham	Commercial	3-18 1 2 hours	W B Phillips
34	6/3/61	Calif	14	Unknown	Unknown	Commercial	13-16 hours	M B Scott
35	6/5/61	New York	Unk	Unknown	Turkey Casserole	Hotel Kitchen	4-12 hours	V L Oliver, A C Silverman
36	6/10/61	Maine	2	2	Crabmeat	Restaurant	2-1 2 hours	J R Sullivan, C N Stenhouse, D Fisher
37	6/11/61	Pa	3	3	Possibly Beef and Pork	Home	1 hour	E J Pugh
38	6/12/61	Calif	2	2	Roast Turkey	Home	1-2 hour	F A Listick
39	6/19/61	Calif	1	1	Baked Ham	None	1-4 hours	R Press, N J Rose
40	6/19/61	Illinois	Unk	Unknown	Stuffed Crab Meat	YMCA Cafeteria	3-14 hours	R Press
41	6/21/61	Calif	4	4	Meat Balls and Meat Loaf	Restaurant	Under 1 hour	L L Flor
42	6/22/61	New York	3	3	Unknown	Club Restaurant	5-7 hours	Dr Taraska, V L Oliver
43	6/29/61	Calif	2	2	Hamburger & Steak Sandwiches	Restaurant	5-12 hours	G P Guilman
44	7/8/61	Calif	114	114	Barbecued Beef & Pork	Club Restaurant	4-17 hours	C C Carson, R C Terrell
45	7/14/61	None	6	6	Unknown	Hotel Restaurant	Unknown	A Ashley, D Fisher
46	7/21/61	Calif	3	3	Steak Teriyaki	Restaurant	7-8 hours	Rearinger
47	7/21/61	Calif	5	5	Steak with white sauce	Restaurant	11-12 - 1-6 hours	J R Sullivan
48	7/24/61	Maine	Unk	Unknown	Unknown	Camp Kitchen	Unknown	A Ashley, D Fisher
49	8/9/61	Unk	Unk	Unknown	Unknown	Camp Kitchen	Unknown	A Ashley, D Fisher
50	8/10/61	Unk	33	33	Ham Biscuits	None	Average 2 hours	J H Fagan
51	8/19/61	Calif	4	4	Burritos	Restaurant	2-8 hours	J I Levine
52	8/15/61	Calif	4	4	Meat Tacos & Tostitos	Restaurant	11-15 hours	A Chen
53	8/16/61	Calif	5	5	Ground Beef	Home	2-10 hours	F M Legier
54	8/22/61	New York	36	36	Unknown	Restaurant	12-36 hours	G Leone, V L Oliver
55	8/23/61	Calif	100	100	Unknown	Restaurant	12-36 hours	F M Legier, M Rose
56	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
57	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
58	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
59	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
60	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
61	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
62	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
63	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
64	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
65	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
66	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
67	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
68	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
69	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
70	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
71	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
72	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
73	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
74	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
75	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
76	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
77	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
78	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
79	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
80	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
81	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
82	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
83	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
84	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
85	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
86	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
87	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
88	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
89	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
90	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
91	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
92	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
93	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
94	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier
95	8/26/61	Calif	100	100	Unknown	Restaurant	12-40 hours	F M Legier

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